

Comparisons of Job Characteristics

Focus Occupation: Telecommunications Equipment Installers and Repairers, Except Line Installers (49-2022)

Associated Occupation: Radio, Cellular, and Tower Equipment Installers and Repairers (49-2021)

Compare Knowledge

Compare Skills

Compare Abilities

Compare Detailed Work Activities

Compare Tools and Technologies

<<	Focus occupation element is much lower
<	Focus occupation element is lower
0	Focus occupation element is at a similar level
>	Focus occupation element is at a higher level
>>	Focus occupation element is at a much higher level

Knowledge

Similarity of Focus Occupation to Associated Occupation: 90

Focus Occupation: Telecommunications Equipment Installers and Repairers, Except Line Installers (49-2022)
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Associated Occupation's Key Knowledge Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation
Computers and Electronics	8.4	16.8	15.4	0 Current knowledge level may be sufficient
Telecommunications	3.9	15.2	19.3	>> Current knowledge level is likely more than sufficient
Engineering and Technology	5.7	15.1	9.4	<< Extensive education and/or training may be required
Design	5.2	9.9	7.6	<< Extensive education and/or training may be required
Physics	4.3	9.4	4.5	<< Extensive education and/or training may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Skills

Similarity of Focus Occupation to Associated Occupation: 91

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Associated Occupation's Key Skills Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation
Repairing	3.4	11.5	10.6	0 Current skill level may be sufficient
Quality Control Analysis	5.9	11.2	11.5	0 Current skill level may be sufficient
Troubleshooting	4.5	10.7	11.8	> Skill level is likely sufficient
Equipment Maintenance	3.5	10.0	10.3	0 Current skill level may be sufficient
Equipment Selection	3.3	8.0	9.2	> Skill level is likely sufficient
Installation	1.7	6.2	7.7	> Skill level is likely sufficient

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Abilities

Similarity of Focus Occupation to Associated Occupation: 86

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Associated Occupation's Key Abilities Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating		Evaluation of Focus Occupation
Finger Dexterity	7.6	12.5	12.0	0	Current ability level may be sufficient
Manual Dexterity	6.5	10.8	11.4	0	Current ability level may be sufficient
Visualization	7.5	10.8	11.0	0	Current ability level may be sufficient
Arm-Hand Steadiness	6.8	10.7	10.4	0	Current ability level may be sufficient
Hearing Sensitivity	5.6	8.3	9.0	0	Current ability level may be sufficient

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Activities that Both Occupations Have in Common

Similarity of Focus Occupation to Associated Occupation: 96

Focus Occupation: Telecommunications Equipment Installers and Repairers, Except Line Installers (49-2022)
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Work Activities	Exclusivity of Activity
Analyze operation of malfunctioning electrical or electronic equipment	68
Calibrate or adjust electronic equipment or instruments to specification	67
Conduct sequential tests to locate electronic malfunction	77
Distinguish colors	44
Fabricate, assemble, or disassemble manufactured products by hand	11
Install electronic equipment, components, or systems	62
Install electronic power, communication, control, or security equipment or systems	76
Install/connect electrical equipment to power circuit	57
Modify electrical or electronic equipment or products	74
Perform safety inspections in industrial, manufacturing or repair setting	32
Read blueprints	10
Read schematics	34
Read technical drawings	7
Read work order, instructions, formulas, or processing charts	9
Repair electronic components, equipment, or systems	74
Repair or replace electrical wiring, circuits, fixtures, or equipment	49
Replace electronic components	63
Solder electrical or electronic connections or components	55
Test electrical/electronic wiring, equipment, systems or fixtures	54
Test electronic or electrical circuit connections	66

Understand detailed electronic design specifications	70
Understand service or repair manuals	40
Understand technical information for electronic repair work	76
Understand technical operating, service or repair manuals	6
Use electrical or electronic test devices or equipment	40
Use hand or power tools	2
Use precision tools in electronics repair	71
Use soldering equipment	44
Use voltmeter, ammeter, or ohmmeter	52

Not all positions in these occupations will necessarily perform all of the listed activities. The exclusivity rating is an indication of how unique the activity is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations engage in that activity.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Tools and Technologies that Both Occupations Have in Common

Similarity of Focus
Occupation to Associated
Occupation: n/a

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Tools and Technologies

Exclusivity

Tools and technology data is unavailable for one or both occupations.

Not all positions in these occupations will necessarily use all of the listed tools and technologies. The exclusivity rating is an indication of how unique the tool or technology is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations use that tool or technology.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.